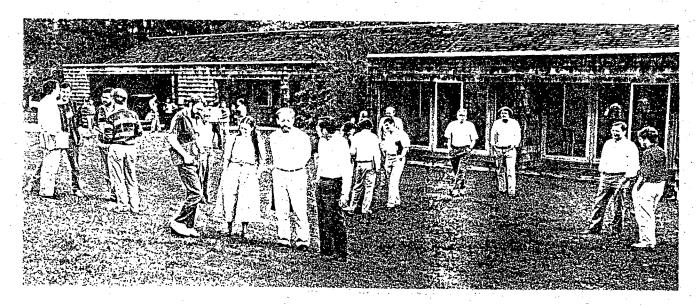


# 1990 ALBANY CONFERENCE





Rensselaerville, NY







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COMPUTATIONAL BIOLOGY

Nucleic Acid Technologies Foundation
The Albany Conferences
Box 8836
Albany, New York 12208-0836







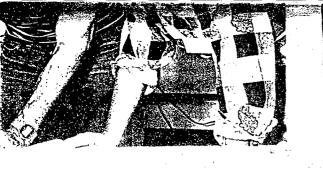
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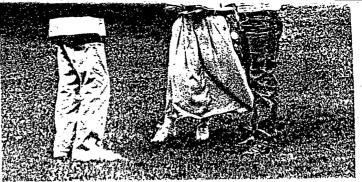
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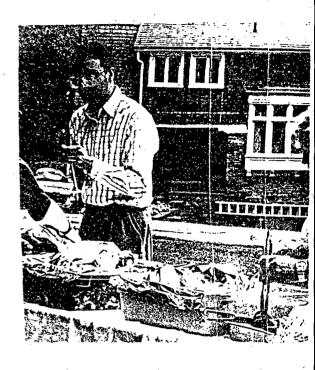


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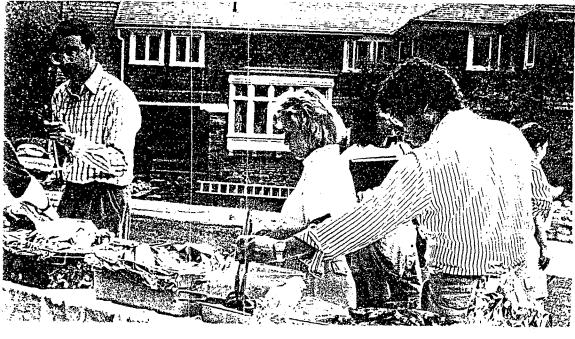




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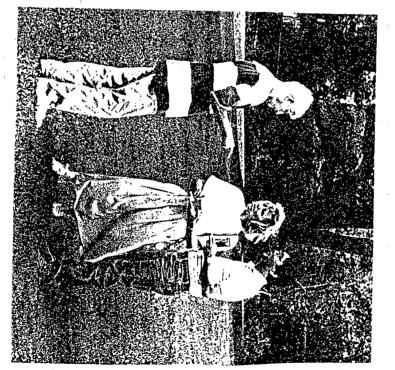


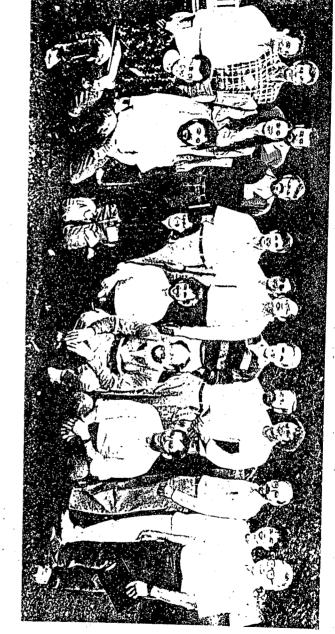




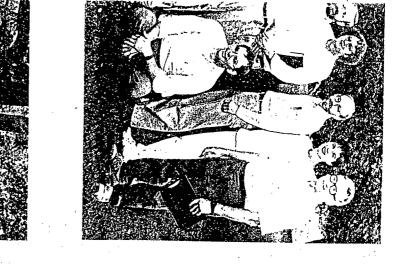
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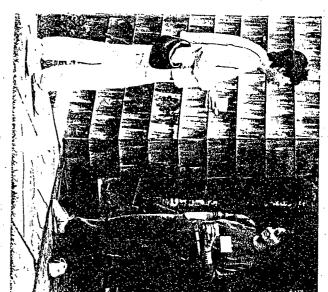




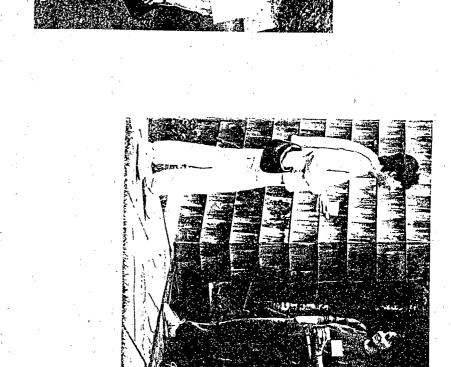


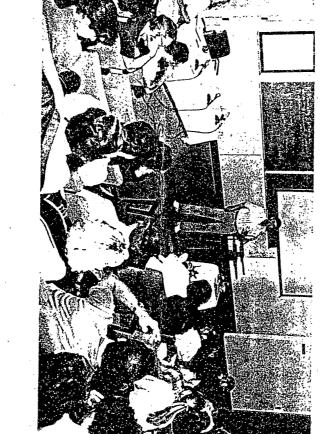














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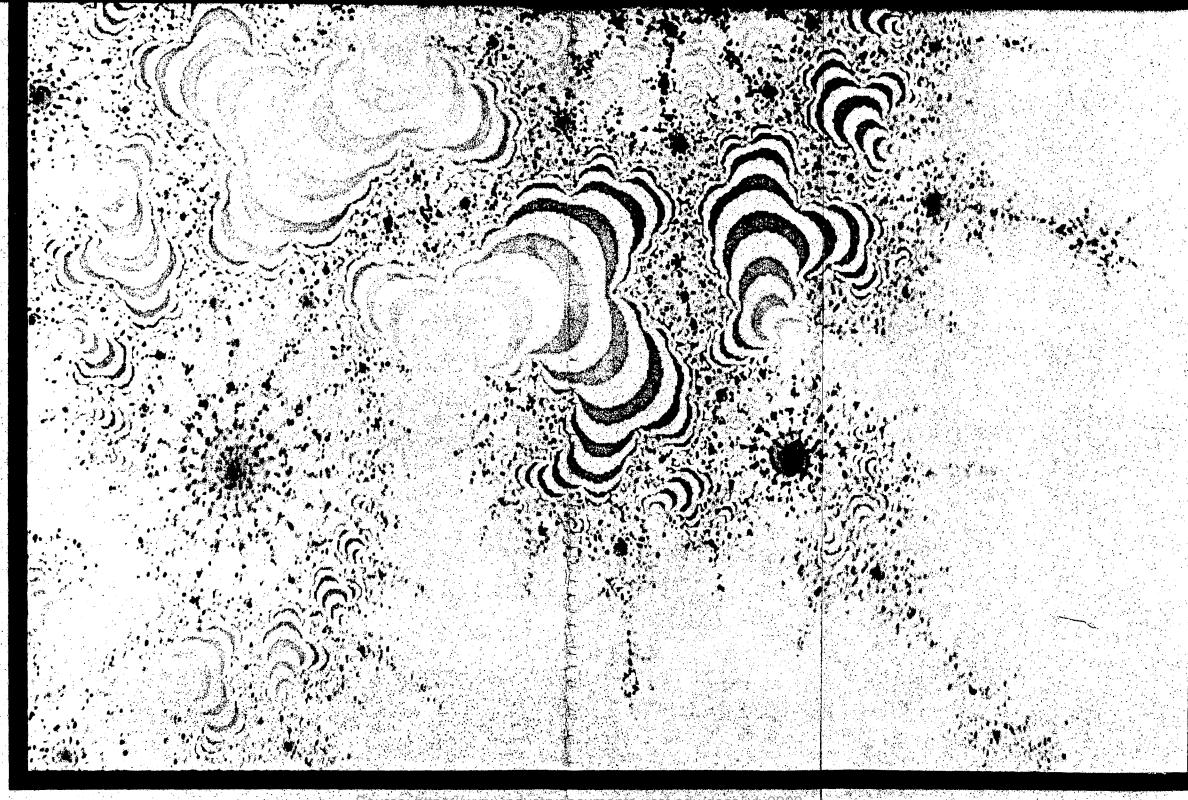


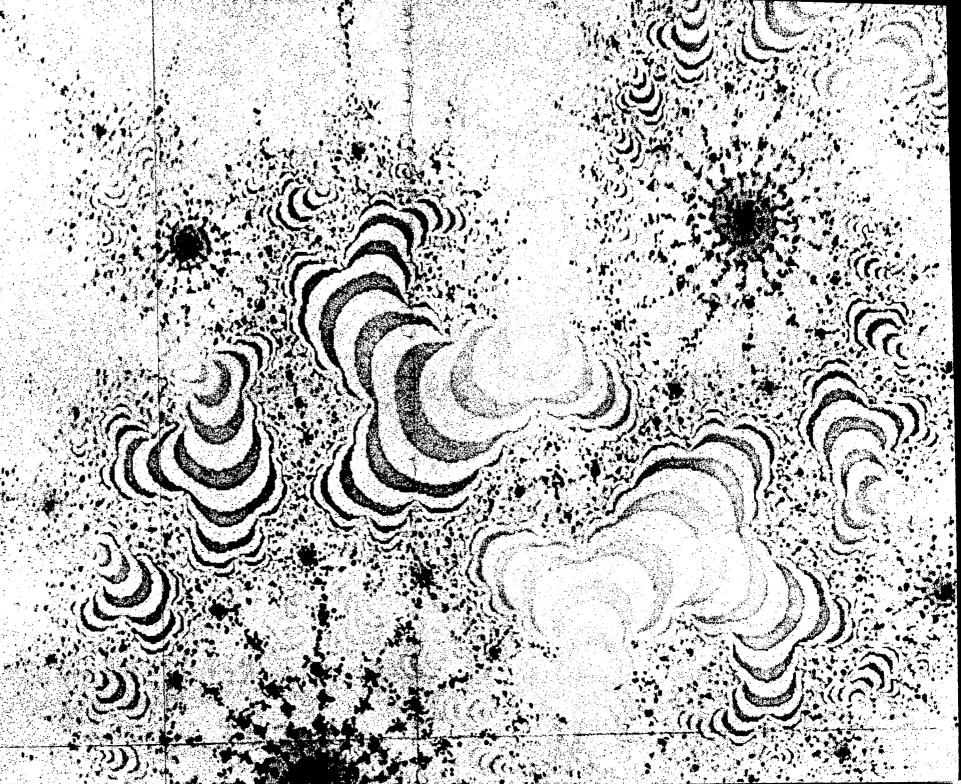


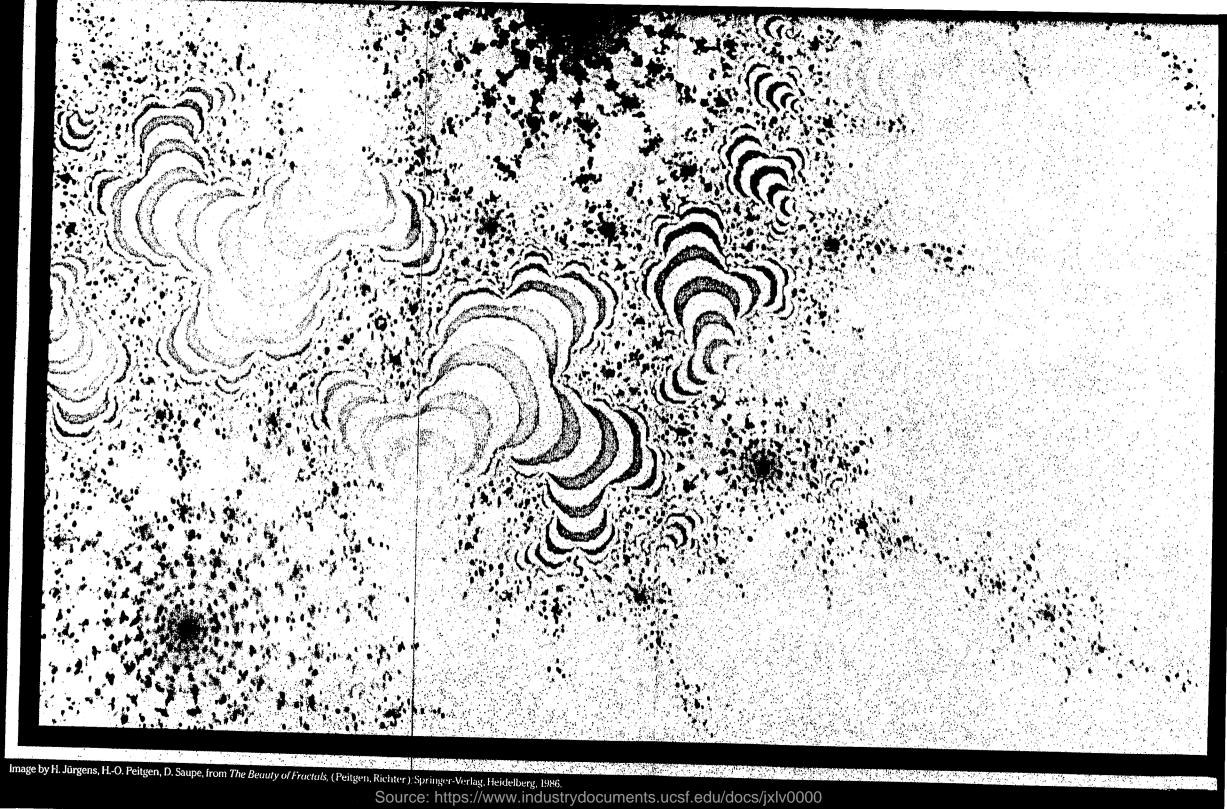












The 1990 Albany Conference is aimed at pro such as x-ray crystallography, electron microscc and applic

#### **INVITED SPEAKERS**

Neural Nets, Op

European Molecular Biology Laboratory West Germany Comparing Protein Sequences: Sensitive Methods and Realistic Evaluation.

Analys Seq

University of California at San Francisco Statistical Mechanics of Protein Folding.

Str

National Institutes of Health Could We Ever Design a Biology?

Pe

University of Maryland Detection of Postsynaptic Potentials in Intracellular Recordings from Neurons in Tissue Culture.

Peak.

Wadsworth Center New York State Department of Health Classifying Noisy Projections of an Unknown Structure.

Cybernetics Council Acadamy of Sciences, USSR Determination of Angles Among Randomly Oriented Particles of Unknown Structure.

Homology-

Rockefeller University Application of Molecular Dynamics to Crystallographic Refinement of Proteins.

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THE CONFEREN September 13. Th days, and a morn for informal discu through the picti

The Rensselaerv southwest of Alb.

**CONFERENCE F** occupancy), mea airport. A limitec for an additional: Please note that ! Center do not ac

Organized by: Center for Molecular Genetics, The University at Albany, State University of New York; Nucleic Acid Tec.

Converging Approaches COMPUTATION

#### 1990 ALBANY CONFERENCE

APPLICATION FORM (Please Print or Type)

ORGANIZATION:

Because attendance is limited, please submit a <u>brief</u> statement of your research interests or activities which justify favorable consideration of your participation in this conference. If you wish to contribute a poster, please provide a one-page, camera-ready abstract, using a 1½ inch border.

APPLICATION DEADLINE: July 30, 1990

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FOR FURTHER 518-442-4327, E P.O. Box 8836, Al

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# iverging Approaches

### September 13-16, 1990

ce is aimed at promoting an exchange of ideas and information among specialists from diverse fields, electron microscopy, and sequence analysis, all of whom share a common interest in the development and application of advanced computational techniques.

Mon S. Lapedes, Los Alamos National Laboratory Neural Nets, Optimization and Statistics: A Biological Case Study.

New York State Department of Health

Analysis of Misaligned Data with Application to

Sequence Analysis and Neurophysiology.

Michael N. Liebman, Amoco Technology Co.

Application of Neural Networks to

Structure-Function Analysis in Proteins.

Cambridge, England

Periodic Structural Patterns in Proteins.

Peaks, Patterns, and Protein Structures from High Resolution NMR Spectra.

Modeling 'Loops' of Proteins:

Homology- and Energy-Based Methods and Applications.

Models of Globular Protein Folding.

Identification of Functional Pattern Correlates.

Gary D. Stormo, University Identifying Functional Domains in B

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Image Reconstruction and M
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Joel Trussell, North Carolina
Set Theoretic Approaches to Estimat

Victael Unser, National Inst Optimum Resolution Cor Scale-Space Representation

Ni-Cheng Wang, Universit Resolution of Phase Ambiguity Crystallography by a Noise I

#### DISCUSSION LEAF

Mario Amzel, Johns Hopkin

Fred E. Cohen, University of at San Francisco

Andrew D. McLachlan, Medical l

w York; Nucleic Acid Technologies Foundation; The Wadsworth Center for Laboratories and Research, New York State Department of Health; School of Publ

#### COPFESSINCE INFORMATION

THE CONFERENCE will begin with a keynote lecture on Thursday evening. September 13. There will be morning and evening sessions on the following two days, and a morning session on Sunday, September 16. Afternoons will be free for informal discussions, viewing of contributed posters, recreation and walks through the picturesque village of Rensselaerville and surrounding hill country. The Rensselaerville Conference Center is a modern facility located 27 miles southwest of Albany, New York.

CONFERENCE FEE: \$450 includes registration, accommodations (double occupancy), meals and transportation between the conference center and Albany airport. A limited number of single occupancy accommodations are available for an additional \$100. Payment of the full fee will be required by August 23, 1990. Please note that both The Albany Conferences and the Rensselaer Conference Center do not accept credit cards.

FOR FURTHER INFORMATION: Call conference coordinator, Carole Keith, 518-442-4327, FAX 518-442-4767, or write to The 1990 Albany Conference, P.O. Box 8836, Albany, NY 12208-0836.

### Converging Approaches COMPUTATIONAL BIOLOGY

NAME:	(LAST)					
ORGANIZATÍON:						
BUSINESS ADDRESS:						
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## pproaches

# ABOLOGY

16, 1990

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Cancer Center
Structures from
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search Institute e**in Folding.** 

Cancer Institute attern Correlates.

Gary D. Stormo, University of Colorado

Identifying Functional Domains in Biological Sequences.

Lynn Ten Eyck, General Atomics

Image Reconstruction and Model Refinement
in Protein Crystallography.

Joel Trussell, North Carolina State University
Set Theoretic Approaches to Estimations and Identification.

Michael Unser, National Institutes of Health Optimum Resolution Conversion and Scale-Space Representations of Images.

Bi-Cheng Wang, University of Pittsburgh Resolution of Phase Ambiguity in Macromolecular Crystallography by a Noise Filtering Process.

#### **DISCUSSION LEADERS**

Mario Amzel, Johns Hopkins University

Fred E. Cohen, University of California at San Francisco

Andrew D. McLachlan, Medical Research Council

sworth Center for Laboratories and Research, New York State Department of Health; School of Public Health, The University at Albany.

#### cture on Thursday evening, g sessions on the following two per 16. Afternoons will be free posters, recreation and walks le and surrounding hill country. ern facility located 27 miles

accommodations (double he conference center and Albany commodations are available be required by August 23, 1990, and the Rensselaer Conference

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